



ELSEVIER

Analytica Chimica Acta 316 (1995) 419–422

ANALYTICA
CHIMICA
ACTA

Author Index

- Adams, F.C., see Gerbersmann, C. 93
Adams, H.M., see Shultz, T.J. 337
Aragoni, M.C.
—, Arca, M., Crisponi, G. and Nurchi, V.M.
Simultaneous decomposition of several spectra into the constituent Gaussian peaks 195
Arca, M., see Aragoni, M.C. 195
Asano, Y., see Hemmi, A. 323
- Baeza-Baeza, J.J.
— and Ramis-Ramos, G.
Reduction of the relative standard deviation in the least-squares fitting of linearized equations by using sensitivity weights 173
Bell, S.E., see Snyder, A.P. 1
Bizzarri, M., see Laganà, A. 377
Bos, M., see Hartnett, M.K. 347
Bosque Sendra, J.M., see Nechar, M. 185
Botrè, C., see Mazzei, F. 79
Botrè, F., see Mazzei, F. 79
- Callao, M.P., see Rius, A. 27
Cardwell, T.J., see McKelvie, I.D. 277
Carmody, J.L., see Ditzler, M.A. 391
Catrall, R.W., see McKelvie, I.D. 277
Cooks, R.G., see Srinivasan, N. 269
Crisponi, G., see Aragoni, M.C. 195
Cserhádi, T.
— and Forgács, E.
Thin layer chromatography and principal component analysis for the study of the interaction of amino acids with some antisense nucleosides 105
Cuadros Rodriguez, L., see Nechar, M. 185
Cumming, R.H., see Rowell, F.J. 247
- Deng, J., see Liu, Y. 65
Derrick, M., see Schulz, H. 145
De Vicente-Pérez, S., see García-Armada, M.P. 47
Diamond, D., see Hartnett, M.K. 347
Ditzler, M.A.
—, Hallen, C.P. and Carmody, J.L.
The impact of tether hydrophobicity on stoichiometry of immobilized indicator-analyte complexes 391
Djane, N.-K.
—, Malcus, F., Martins, E., Sawula, G. and Johansson, G.
Hollow fiber cartridges for removal of particulate matter from natural waters prior to matrix isolation and trace metal enrichment using an 8-quinolinol chelating ion exchanger in a flow system 305
Dufresne, C., see Tsipouras, A. 161
- Eiceman, G.A., see Snyder, A.P. 1
Elyashberg, M.E., see Gribov, L.A. 217
Erni, F., see Vander Heyden, Y. 15
- Fago, G., see Laganà, A. 377
Fang, Z., see Liu, X. 329
Forgács, E., see Cserhádi, T. 105
Funazaki, N., see Hemmi, A. 323
Furuno, K., see Watanabe, K. 371
- García-Armada, M.P.
—, Losada, J. and De Vicente-Pérez, S.
Knowledge-based system for the provision of an analytical strategy for simultaneous determination of metals by differential-pulse polarography 47
Gerbersmann, C.
—, Lobinski, R. and Adams, F.C.
Determination of volatile sulfur compounds in water samples, beer and coffee with purge and trap gas chromatography-microwave-induced plasma atomic emission spectrometry 93
Gibb, S.W.
—, Mantoura, R.F.C. and Liss, P.S.
Analysis of ammonia and methylamines in natural waters by flow injection gas diffusion coupled to ion chromatography 291
Goetz, M., see Tsipouras, A. 161
Gomita, Y., see Watanabe, K. 371
Green, L.W., see Shultz, T.J. 337
Gribov, L.A.
—, Elyashberg, M.E. and Karasev, Yu.Z.
Quantitative molecular analysis by infrared spectrometry without standard materials 217
Grung, B.
— and Kvalheim, O.M.
Interactive rank annihilation: a graphic approach to quantification in grey multicomponent systems 225
- Hallen, C.P., see Ditzler, M.A. 391
Hart, B.T., see McKelvie, I.D. 277
Hartmann, C., see Vander Heyden, Y. 15
Hartnett, M.K.

- , Bos, M., Van der Linden, W.E. and Diamond, D.
Determination of stability constants using genetic algorithms 347
- Hayashi, K., see Hemmi, A. 323
- He, X.
— and Rechnitz, G.A.
Plant tissue-based fiber-optic pyruvate sensor 57
- Hemmi, A.
—, Yagiuda, K., Funazaki, N., Ito, S., Asano, Y., Imato, T., Hayashi, K. and Karube, I.
Development of a chemiluminescence detector with photodiode detection for flow-injection analysis and its application to L-lactate analysis 323
- Hobo, T., see Wu, X.-Z. 111
- Hodgkinson, M., see Ni, Y. 233
- Hueber, D.M.
— and Winefordner, J.D.
A flowing electrolytic hydride generator for continuous sample introduction in atomic spectrometry 129
- Imato, T., see Hemmi, A. 323
- Ito, S., see Hemmi, A. 323
- Ito, Y., see Samukawa, T. 83
- Johansson, G., see Djane, N.-K. 305
- Kaláb, T., see Skládal, P. 73
- Karasev, Yu.Z., see Gribov, L.A. 217
- Karube, I., see Hemmi, A. 323
- Kasthurikrishnan, N., see Srinivasan, N. 269
- Katsu, T., see Watanabe, K. 371
- Kearsley, S.K., see Tsiouras, A. 161
- Kiechle, P., see Vander Heyden, Y. 15
- Koide, T., see Yokoi, K. 363
- Kokot, S., see Ni, Y. 233
- Krishnan, M.S., see Srinivasan, N. 269
- Kvalheim, O.M., see Grung, B. 225
- Laganà, A.
—, Marino, A., Fago, G., Pardo-Martinez, B. and Bizzarri, M.
Sensitive assay for melatonin in human serum by liquid chromatography 377
- Lee, S., see Tsiouras, A. 161
- Li, H.
—, Xu, L. and Su, Q.
Structure-property relationship between half-wave potentials of organic compounds and their topology 39
- Li, N., see Zeng, W. 387
- Liang, X., see Zhao, Y. 403
- Liss, P.S., see Gibb, S.W. 291
- Liu, H., see Liu, Y. 65
- Liu, X.
— and Fang, Z.
Flame atomic absorption spectrometric determination of cobalt in biological materials using a flow-injection system with on-line preconcentration by ion-pair adsorption 329
- Liu, Y.
—, Liu, H., Qian, J., Deng, J. and Yu, T.
Regenerated silk fibroin membrane as immobilization matrix for peroxidase and fabrication of a sensor for hydrogen peroxide utilizing methylene blue as electron shuttle 65
- Lobinski, R., see Gerbersmann, C. 93
- Lorenti, G., see Mazzei, F. 79
- Losada, J., see García-Armada, M.P. 47
- Lunte, C.E., see Zhao, Y. 403
- Malcus, F., see Djane, N.-K. 305
- Mantoura, R.F.C., see Gibb, S.W. 291
- Marino, A., see Laganà, A. 377
- Martins, E., see Djane, N.-K. 305
- Massart, D.L., see Vander Heyden, Y. 15
- Maswadeh, W.M., see Snyder, A.P. 1
- Mazzei, F.
—, Botrè, F., Lorenti, G., Simonetti, G., Porcelli, F., Scibona, G. and Botrè, C.
Plant tissue electrode for the determination of atrazine 79
- McKelvie, I.D.
—, Hart, B.T., Cardwell, T.J. and Cattrall, R.W.
Use of immobilized 3-phosphatase and flow injection for the determination of phosphorus species in natural waters 277
- Meng, X., see Zeng, W. 387
- Michel, L., see Vander Heyden, Y. 15
- Mikuška, P.
—, Večeřa, Z. and Zdráhal, Z.
Flow-injection chemiluminescence determination of ultra low concentrations of nitrite in water 261
- Mizumachi, M., see Yokoi, K. 363
- Mohr, G.J.
— and Wolfbeis, O.S.
Optical sensing of anions via polarity-sensitive dyes: a bulk sensor membrane for nitrate 239
- Molina Molina, M.F., see Nechar, M. 185
- Motohashi, R., see Samukawa, T. 83
- Naser, N., see Wang, J. 253
- Nechar, M.
—, Molina Molina, M.F., Cuadros Rodriguez, L. and Bosque Sendra, J.M.
The application of Doehlert designs in the optimization of experimental variables in solid phase spectrophotometry 185
- Ni, Y.
—, Kokot, S., Selby, M. and Hodgkinson, M.
Simultaneous polarographic analysis of pyrazine and its methyl derivatives by iterative target transformation factor analysis 233
- Nitescu, I., see Rowell, F.J. 247
- Nurchi, V.M., see Aragoni, M.C. 195
- Oda, H., see Watanabe, K. 371
- Ohta, K., see Samukawa, T. 83
- Okada, K., see Watanabe, K. 371
- Ondeyka, J., see Tsiouras, A. 161
- Onitsuka, M., see Samukawa, T. 83
- Pardo-Martinez, B., see Laganà, A. 377
- Porcelli, F., see Mazzei, F. 79

- Qian, J., see Liu, Y. 65
- Ramis-Ramos, G., see Baeza-Baeza, J.J. 173
- Rechnitz, G.A., see He, X. 57
- Rietjens, M.
Reduction of error propagation due to normalization: effect of error propagation and closure on spurious correlations 205
- Rius, A.
—, Callao, M.P. and Rius, F.X.
Self-configuration of sequential injection analytical systems 27
- Rius, F.X., see Rius, A. 27
- Rowell, F.J.
—, Cumming, R.H. and Nitescu, I.
Environmental analysis in the workplace; development of a rapid, sensitive ELISA for monitoring airborne alcalase 247
- Salituro, G., see Tsiouras, A. 161
- Samukawa, T.
—, Ohta, K., Onitsuka, M., Ito, Y. and Motohashi, R.
Numerical approach to the explanation of the response time of the Severinghaus type electrode 83
- Sawula, G., see Djane, N.-K. 305
- Schügerl, K., see Tservistas, M. 117
- Schulz, H.
—, Derrick, M. and Stulik, D.
Simple encoding of infrared spectra for pattern recognition. Part 2. Neural network approach using back-propagation and associative Hopfield memory 145
- Scibona, G., see Mazzei, F. 79
- Selby, M., see Ni, Y. 233
- Shultz, T.J.
—, Adams, H.M. and Green, L.W.
Vacuum fusion-mass spectrometric determination of H, N and O in U₃Si fuel using the standard addition technique 337
- Shuttler, I.L., see Yuan, D. 313
- Simonetti, G., see Mazzei, F. 79
- Singh, S.B., see Tsiouras, A. 161
- Skládal, P.
— and Kaláb, T.
A multichannel immunochemical sensor for determination of 2,4-dichlorophenoxyacetic acid 73
- Snyder, A.P.
—, Maswadeh, W.M., Eiceman, G.A., Wang, Y.-F. and Bell, S.E.
Multivariate statistical analysis characterization of application-based ion mobility spectra 1
- Srinivasan, N.
—, Kasthurikrishnan, N., Cooks, R.G., Krishnan, M.S. and Tsao, G.T.
On-line monitoring with feedback control of bioreactors using a high ethanol tolerance yeast by membrane introduction mass spectrometry 269
- Stulik, D., see Schulz, H. 145
- Su, Q., see Li, H. 39
- Tanaka, M., see Yoshinaga, M. 121
- Tong, S., see Zeng, W. 387
- Tsao, G.T., see Srinivasan, N. 269
- Tservistas, M.
—, Weigel, B. and Schügerl, K.
An on-line flow-injection analysis system for the determination of acetate 117
- Tsiouras, A.
—, Ondeyka, J., Dufresne, C., Lee, S., Salituro, G., Tsou, N., Goetz, M., Singh, S.B. and Kearsley, S.K.
Using similarity searches over databases of estimated ¹³C NMR spectra for structure identification of natural product compounds 161
- Tsou, N., see Tsiouras, A. 161
- Vander Heyden, Y.
—, Hartmann, C., Massart, D.L., Michel, L., Kiechle, P. and Erni, F.
Ruggedness tests for a high-performance liquid chromatographic assay: comparison of an evaluation at two and three levels by using two-level Plackett-Burman designs 15
- Van der Linden, W.E., see Hartnett, M.K. 347
- Večeřa, Z., see Mikuška, P. 261
- Wang, J.
— and Naser, N.
Modified carbon-wax composite electrodes 253
- Wang, Y.-F., see Snyder, A.P. 1
- Watanabe, K.
—, Okada, K., Oda, H., Furuno, K., Gomita, Y. and Katsu, T.
New cocaine-selective membrane electrode 371
- Weigel, B., see Tservistas, M. 117
- Winefordner, J.D., see Hueber, D.M. 129
- Wolfbeis, O.S., see Mohr, G.J. 239
- Wu, X.-Z.
— and Hobo, T.
Monitoring and analyzing of a chemical reaction process using reaction heat-induced optical beam deflection 111
- Xu, L., see Li, H. 39
- Yagiuda, K., see Hemmi, A. 323
- Yamaguchi, A., see Yokoi, K. 363
- Yokoi, K.
—, Yamaguchi, A., Mizumachi, M. and Koide, T.
Direct determination of trace concentrations of lead in fresh water samples by adsorptive cathodic stripping voltammetry of a lead-Calcein Blue complex 363
- Yoshinaga, M.
— and Tanaka, M.
Enantiomeric separation of dansylamino acids by capillary zone electrophoresis with selectively methylated γ -cyclodextrin derivatives 121
- Yu, T., see Liu, Y. 65
- Yuan, D.
— and Shuttler, I.L.
Flow-injection column preconcentration directly coupled with electrothermal atomization atomic absorption spectrometry for the determination of aluminium. Comparison of column packing materials 313

Zdráhal, Z., see Mikuška, P. 261

Zeng, W.

—, Meng, X., Li, N. and Tong, S.

New method of simultaneous and non-destructive determination of human serum albumin and globulin 387

Zhao, Y.

—, Liang, X. and Lunte, C.E.

Comparison of recovery and delivery in vitro for calibration of microdialysis probes 403

